

FIG. 1

	(d)
GYRB BACSU	MEQQQNSYDENQIQVLEGLEAVRKRPGMYIGSTNS-KGLHHLVWEIVDNSIDEALAGYCT
GYRB ECOLI	----SNSYDSSSIKVLKGLDAVRKRPGMYIGDTDDGTGLHHMVFEVVDNAIDEALAGHCK
GYRB PSEPU	-MSENQTYDSSSIKVLKGLDAVRKRPGMYIGDTDDGSGLHHMVFEVVDNSIDEALAGHCD
	(a)
GYRB BACSU	DINIQIEKDNSITVVDNNGRGIPVGIHEKMGRPAVEVIMTVLHAGGKFDGSGYKVS GGLHG
GYRB ECOLI	EIIVTIHADNSVSVQDDGRGIPTGIHPEEGVSAAEVIMTVLHAGGKFDNSYKVS GGLHG
GYRB PSEPU	DITVIIHTDESISVRDNGRGIPVDVHKEEGVSAAEVIMTVLHAGGKFDNSYKVS GGLHG
GYRB BACSU	VGASVVNALSTELDVTVHRDGGKIHRQTYKRGVPVTDLEIIGETDHTGTTTHFVPDPEIFS
GYRB ECOLI	VGVSVVNALSQKLELVIQREGKIHRQIYEHGVPQAPLAVTGETEKTGTMVRFWPSLETFT
GYRB PSEPU	VGVSVVNALSEKLVLTVRRSGKIWEQTYVHGVPQAPMAVVGESSETTGTHIHFKPSAETFK
GYRB BACSU	ETTEYDYDLLANRVRELAFLTKGVNITIEDKREGQERKNEYHYEGGIKSYVEYLNRSKEV
GYRB ECOLI	NVTEFEYEILAKRLRELSFLNSGVSIIRLRDKRDGKE--DHFHYEGGIKAFVEYLNKNKTP
GYRB PSEPU	N-IHFSWDILAKRIRELSFLNSGVGILLKDERSGKE--EFFKYEGGLRAFVEYLNNTNKT
	(l) (b)
GYRB BACSU	VHEEPIYIEGEK-DGITVEVALQYNDSTYSNIYSFTNNINTYEGGTHEAGFKTGLTRVIN
GYRB ECOLI	IHPNIFYFSTEK-DGIGVEVALQWNDGFQENIYCFTNNIPQRDGGTHLAGFRAAMTRTLN
GYRB PSEPU	VNSQVFHFHSVQREDGVGVEVALQWNSDFNENLLCFTNNIPQRDGGTHLVGFRSSLTRSLN
	(h) (e)
GYRB BACSU	DYARKKGLIKENDPNLSGDDVREGLTAIISIKHPDPQFEGQTKTKLGNSEARTITDTLFS
GYRB ECOLI	AYMDKEGYSKKAKVSATGDDAREGLIAVVSVKVPDPKFSSQTKDKLVSSEVKSAVEQQMN
GYRB PSEPU	SYIEQEGLAKKNKVATTGDDAREGLTAIISVKVPDPKFSSQTKDKLVSSEVKTAVEQEMN
	(k) (i)
GYRB BACSU	TAMETFMLENPDAAKKIVDKGLMAARARMAAKKARELTRRKSALISNLPGLADCSSKD
GYRB ECOLI	ELLAEYLLNPTDAKIVVGKIIDAAARAREARRAREMTRRKALDLAAGLPGLADCQERD
GYRB PSEPU	KYFSDFLLENPNEAKAVVGKMIIDAAARAREARKAREMTRRKALDIAGLPGLADCQEKD
	(g)
GYRB BACSU	PSISELYIVEGDSAGGSAKQGRDRHFQAILPLRGKILNVEKARLDKILSNNEVRSMITAL
GYRB ECOLI	PALSELYLVEGDSAGGSAKQGRNRKNQAILPLKGKILNVEKARFDKMLSSQEVATLITAL
GYRB PSEPU	PALSELYLVEGDSAGGSAKQGRNRRTQAILPLKGKILNVEKARFDKMISSQEVGTLITAL
	(c)
GYRB BACSU	GTGIGED-FNLEKARYHKVVIMTDADVDGAHIRTLLLTFFRYRMRQIIENGYVYIAQPPL
GYRB ECOLI	GCGIGRDEYNPDKLRYSIIIMTDADVDGSHIRTLLLTFFYRQMPFIVERGHVYIAQPPL
GYRB PSEPU	GCGIGREEYNIDKLRYNHIIIMTDADVDGSHIRTLLLTFFFRQLPELVERGYIYIAQPPL
GYRB BACSU	YKVQQGK-----
GYRB ECOLI	YKVKKGKQEQYIKDDEAMDQYQISIALDGATLHTNASAPALAGEALEKLVSEYNATQKMI
GYRB PSEPU	YKVKKGKQEQYIKDDEAMEEYMTQSALEDASLHLDSEAPAVSGVQLESLVNEFRSVMKTL
GYRB BACSU	-RVEYAY-----NDKE-----
GYRB ECOLI	NRMERRYPKAMKELIYQPTLTADLSDEQTVTRWVNALVSELNDKEQHSQWKFDVHTN
GYRB PSEPU	KRLSRLYPEELTEHFVYLPEVTLEQLGDHAVMQAWLAKLQERLNSQKSGLAYNASLRED
GYRB BACSU	-----
GYRB ECOLI	AEQNLFEPIVRVRTHGVDTDYPLDHEFITGGEYRRICTLGEKLRGLLEEDAFIERGERRQ
GYRB PSEPU	KERNVWLPEVEITSHGLASYITFNRRDFGSNDYRTVVNIGAKLSSLLGEGAYVQRGERRK
	(f) (j)
GYRB BACSU	----LEELLKTLTPQTPKP--GLQRYKGLGEMNATQLWETTM DPSSRTLLQVTL EDAMDAD
GYRB ECOLI	PVASFEQALDWLVKESRRGLSIQRYKGLGEMNPEQLWETTM DPESRRMLRVTVKDAIAAD
GYRB PSEPU	AIVEFKEGLDWLMNETTKRHTIQRYKGLGEMNPDQLWETTM DPVRRMLKVTIEDAIAAD
GYRB BACSU	ETFEMLMGDKVEPRRNFIEANARYVKNLDI
GYRB ECOLI	QLFTTLMGDAVEPRRAFIEENALKAANIDI
GYRB PSEPU	QIFNTLMGDAVEPRREFIESNALSVSNLDF